

Producing Olefinic and Fuel (Cont.)

SOV/3734

Gasification installations for producing olefinic gases (ethylene, propylene)	207
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AVAILABLE: Library of Congress

Card 6/6

JA/gmp
6-28-60

VISHNYAKOVA, L.P.

PHASE I BOOK EXPLOITATION

507/8911

Mechanizatsiya soveshchaniye po khimii nefli, Moscow, 1956.

Sbornik trudov Mezhdunarodnogo soveshchaniya po khimii nefli (Collection of Transactions of the Inter-University Conference on Petroleum Chemistry) (Moscow) Izdat. Khim. Univ., 1950. 311 p. Extra slip inserted. 1,600 copies printed.

Organizing Committee of the Conference: Chairman: B. A. Zaslavskiy, Academician; Vice-Chairman: S. I. Khromov, Deputy; M. I. Zaslavskiy, Professor; A. P. Plate, Professor; S. I. Khromov, Professor; S. I. Khromov, Professor; Editorial Board: Ed. A. P. Plate; I. V. Gostunskaya, I. M. Tit-Skorobogatova, L. A. Krivonozhka.

PURPOSE: This collection of articles is intended for the teaching staff of universities and schools of higher education training specialists for the petroleum and petroleum-refining industries.

Card 1/7

COPYRIGHT: The collection includes articles dealing with the present state of the petroleum industry, the scientific research problems of the petroleum industry, the scientific of petroleum the chemical industry, the scientific of petroleum products, the scientific principles and the scientific of petroleum into motor fuels and lubricants, and the scientific of synthetic products from hydrocarbon gases and petroleum. One article discusses the effect of chemical composition and additives on fuel combustion in jet engines. The material was presented at the Inter-University Conference on Petroleum Chemistry, held at the Moscow State University from 1950 to November 26-28, 1956. No person-alities are mentioned. References accompany most of the articles.

TABLE OF CONTENTS: None given

The authors and the titles of articles are as follows:

Introduction by B. A. Zaslavskiy, Academician

Card 2/7

Collection of Transactions (Cont.)

SOV/4941

Kiselev, A. V., Laboratoriya adsorbtsii Moskovskogo gosudarstvennogo universiteta (Adsorption Laboratory of the Moscow State University) and Laboratoriya sorbtsionnykh protsessov Instituta fizicheskoy khimii AN SSSR (Laboratory of Sorption Processes, Institute of Physical Chemistry, AS USSR). Hydrocarbon Adsorption Energy 258

Paushkin, Ya. M., R. V. Sychev, T. P. Vishnyakova, and A. K. Zhomov, Moscow Petroleum Institute imeni I. M. Gubkin. Effect of Chemical Composition and Additives on Fuel Combustion in Jet Engines 293

AVAILABLE: Library of Congress (TP690.A1M445 1956)

~~Card-7/7-~~

JA/wrc/ec
4-20-61

S/152/60/000/009/003/004/XX
B024/B076

AUTHORS: Zhemov A. K., Vishnyakova T. P., and Paushkin Ya. M.

TITLE: Kinetics of High-Temperature Pyrolysis of Crude Oil
to Gas With a High Olefin Content

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz,
1960, No. 9, pp. 103 - 107

TEXT: The authors consider the possibility of applying
G.M. Panchenkov's theory on the kinetics of thermal cracking of
petroleum hydrocarbons to the description of the pyrolysis of crude
oil residues in the presence of steam. In cooperation with
V. S. Tret'yakova (Ref. 3) G. M. Panchenkov obtained an equation
from which the velocity constants of the first and second stages of
a continuous first-order reaction in the cracking process can be
determined:

✓

Card 1/3

Kinetics of High-Temperature Pyrolysis
of Crude Oil to Gas With a High Olefin
Content

S/152/60/000/009/003/004/XX
B024/B076

$$n_0 \frac{dx}{dl} = \frac{k_1 (1-x)}{v_2 x + \frac{v_5}{v_2} \left[v_3 x + \frac{v_3 (1-x)}{1-k} - v_3 \frac{(1-x)^k}{1-k} \right]}, \quad (2)$$

where x denotes the degree of conversion; l the distance from the beginning of the reaction zone; v_1, v_2, v_3, v_5 are the stoichiometric coefficients; n_0 is the number of gram-moles of the initial cracking residue; k, k_1 are the reaction constants. By means of a graphic solution of this transformed equation the authors ascertained that the equation obtained for thermal cracking is also applicable to high-temperature pyrolysis. There are 4 figures and 5 Soviet references.

Card 2/3

Kinetics of High-Temperature Pyrolysis
of Crude Oil to Gas With a High Olefin
Content

S/152/60/000/009/003/004/XX
B024/B076

ASSOCIATION: Moskovskiy institut neftekhimicheskoy i gazovoy
promyshlennosti im. akad. I. M. Gubkina
(Moscow Institute of the Petrochemical and Gas
Industry imeni Academician I. M. Gubkin)

SUBMITTED: January 29, 1961

✓

Card 3/3

PAUSHKIN, Ya.M.; VISHNYAKOVA, T.P.; CHERNUKHINA, V.G.

Catalytic reforming of naphthenic hydrocarbons of gasoline fractions into aromatic hydrocarbons on a catalyst with 0.1-0.3% of nickel. Izv. vys. ucheb. zav.; neft' i gaz 4 no.5:69-73 '61. (MIRA 15:2)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akad.I.M.Gubkina.

(Hydrocarbons) (Cracking process) (Catalysts, Nickel)

53300

2209 only

23486
S/152/61/000/005/001/002
B126/B219

AUTHORS: Paushkin, Ya. M., Vishnyakova, T. P., and Chernukhina, V. G.

TITLE: Catalytic reforming of naphthenic hydrocarbons to aromatic hydrocarbons from benzene fractions using a catalyst with 0.1 - 0.3% nickel

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, no. 5, 1961, 69 - 73

TEXT: For petrochemical synthesis the problem of aromatic hydrocarbons obtaining from crude oil is of current importance. The dehydrating effect of nickel catalysts has already been carefully examined by A. D. Zelinskiy and his school. Ciapetta (Ref. 2, Ciapetta F., Hanter I., Ind. Eng. Chem., 45, 147, 1953) showed that isomerization of normal pentane, hexane, heptane, and octane to isoparaffins is possible with a catalyst containing 5% of nickel on aluminum silicate and at 407°C, 25 atm pressure; (yield 55 - 65%). Kh. M. Minayev, N. I. Shuykin, L. M. Feofanova and Yu. P. Yegorov isomerized normal decane and hendecane with a catalyst containing 8% of nickel on aluminum oxide. The authors

Card 1/6

Catalytic reforming of...

23486
S/152/61/000/005/001/002
B126/B219

of the present paper experimented with nickel catalysts containing 0.1 - 0.3% of nickel on aluminum oxide. The catalyst was prepared from the active form of aluminum oxide, obtained by calcining ordinary aluminum oxide at 700°C, whereupon the γ -form Al_2O_3 is achieved. The aluminum oxide obtained was soaked with a nickel nitrate solution of $Ni(NO_3)_2 \cdot 6H_2O$ in such quantities as to obtain the necessary concentration of metallic nickel on Al_2O_3 after evaporation. The best experimental results were obtained with catalysts containing 0.1 to 0.3% of nickel. They are given in Tables 3 and 4. A catalyst with 0.1 - 0.3% of Ni on Al_2O_3 works without any noticeable decrease in activity for 10 - 12 hr at a volume rate of 0.2 hr^{-1} , then the activity drops as a result of coking. Regeneration was effected by burning the coke at 400 - 500°C. In Table 5, a comparison between reforming by nickel and reforming by platinum is given. The experiments thus proved that a catalyst on a nickel basis only differs slightly in its activity from a catalyst on Pt-basis, but it is much cheaper. There are 5 tables and 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Ciapetta F., Hanter I., Ind. Eng. Chem., 45, 147, 1953.

Card 2/6

Catalytic reforming of...

23486
S/152/61/000/005/001/002
B126/B219

ASSOCIATION: Moskovskiy institut neftekhimicheskoy i gazovoy
promyshlennosti im. akad. I. M. Gubkina (Moscow Institute of
Petrochemical and Gas Industry imeni Acad. I. M. Gubkin)

SUBMITTED: February 26, 1961

1) Показатели	2) Температура опыта, °C			3) 0,1% Si на Al ₂ O ₃ при 550°
	450	500	550	
4) Плотность D ₄ ²⁰	0,7360	0,751	0,768	0,782
5) Молекулярный вес	110,5	118	128	139
6) Броунинг число	5,5	10,5	13	10,2
7) Групповой состав, % вес:				
8) ароматические углеводороды	6,1	13,3	21,5	31,1
9) нафтеновые	—	36,7	30	20,2
10) парафиновые	—	42,3	38	39,8
11) непредельные	3,9	7,7	10,5	8,9
12) Состав газа (% объемн.)				
13) водород	58	73	66,7	70-80
14) непредельные	3,3	7,5	8,8	—

Card 3/6

Table 3

S/065/61/000/012/003/005
E075/E135

AUTHORS: Vishnyakova, T.P., Paushkin, Ya.M., Bondarenko, L.V.,
and Smirnov, A.P.

TITLE: Influence of the chemical composition of hydrocarbon
feedstock and aqueous vapours on the dynamics of
formation of olefines during high temperature pyrolysis

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.12, 1961,
11-14

TEXT: The aim of this work was to study dynamics of
gasification of n-cetane, α -methyldecalin and a middle kerosene
fractions (b.pt.200-300 °C) leading to the formation of ethylene
and propylene. The gasification process was carried out in a
laboratory apparatus, a diagram of which is shown in Fig.1, where:
1 - reactor; 2 - electric furnace; 3 - flow meters; 4 - receiver
for condensate; 5 - water pump; 6 - feedstock pump; 7 - burettes;
8 - receiver for condensate; 9 - condenser; 10 - water washer;
11 - oil washer; 12 - gas meter; 13 - heater for feedstock;
14 - heater for steam; 15 - sprayer. The feedstock was preheated
to 300 °C, sprayed into the reactor with steam preheated to
Card 1/13

Influence of the chemical

S/065/61/000/012/003/005
E075/E135

450-500 °C (feedstock-steam ratio 1:1). The mixture was heated in the reactor to 800 °C, the temperature being controlled electrically. The total material balance and the balance for each section of the reactor are obtained as a function of the place of gas take-off. The time of contact of feedstock in the reaction zone was determined to obtain the speed of gasification of the different types of hydrocarbons along the length of the reactor. For the n-cetane fraction the formation of olefines passes through a maximum and reaches about 40% of the total gas for the reaction times of 0.5 to 0.6 sec. Subsequently the concentration of olefines begins to fall rapidly and for 1.5 - 2.0 sec reaction times it is as low as 5-7%. The extent of gasification after 2 sec reaches 90% of the feedstock but at the time of maximum olefine yield, only 50% of the feedstock is gasified. Gasification of α -methyldecalin fraction gives less olefines and a maximum yield of 24% is reached for the reaction time of 0.6 sec. The kerosene fraction, which consisted mainly of naphthenes and paraffins, gave a maximum yield of 27% after 0.3-0.5 sec. The composition of gases formed during the pyrolysis is different for each hydrocarbon fraction investigated.

Card 2/43

Influence of the chemical

S/065/61/000/012/003/005;
E075/E135

There are 4 figures and 1 table.

ASSOCIATION: MINKh and GP imeni I.M. Gubkin

Card 3/43

VISHNYAKOVA, T.P.; PAUSHKIN, Ya.M.; BONDARENKO, L.V.; SMIRNOV, A.P.

Effect of the chemical composition of hydrocarbon raw charge
and water vapor on the dynamics of olefin formation at high
temperature pyrolysis. Khim.i tekhn.topl.i masel 6 no.12:11-
14 D '61. (MIRA 15:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akad.Gubkina. (Hydrocarbons) (Olefins)

5
PAUSHKIN, YA.M., POLAK, L.S., VISHNYAKOVA, T.P., PATALAKH, I.I.,
MACHUS, F.F., SOKOLINSKAYA, T.A.

New ferrus-containing polymers on the basis of ferrocene and their electrophysical properties.

Report submitted for the International Symposium of Macromolecular chemistry
Paris, 1-6 July 63

compound, knock inhibitor, monomer, manganese compound

ABSTRACT: The production of cyclopentadiene and its homologs is of great importance

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6

merization and high activity chemical processes

Page 1/3

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6"

ACCESSION NR: AT4008695

... which indicates the presence of π -unpaired electrons. The electro-

PAUSHKIN, Ya.M.; VISHNYAKOVA, T.P.; SMIRNOV, A.P.; ANAN'YEV, P.G.;
NEPRYAKHINA, A.V.

Recent developments in the cracking of hydrocarbons; cracking
with heat given off and cracking cut off at high temperatures.
Trudy MINKHIGP no.44:118-128 '63. (MIRA 18:5)

L 16996-63
RM/WW/JD/JW/MAY

EWP(j)/EPF(c)/EWP(q)/EWT(m)/BDS AFFTC/ASD Pc-4/Pr-4

S/204/63/003/002/006/006 ⁷⁷/₇₆

AUTHOR: Pausbkin, Ia. M., ~~Wishwakova~~, T. P., Sokolinskaya, T. A., Zimina,
K. I., and Kotova, G. G.

TITLE: Alkylation of Ferrocene by olefins in the presence of the com-
pounds boron fluoride and aluminum chloride

PERIODICAL: Neftekhimiya, v. 3, no. 2, 1963, 280-284

TEXT: The number of olefins used for alkylation of ferrocene was ex-
panded, and such catalysts as the strong complex acid $H_3PO_4 \cdot BF_3$ and $BF_3 \cdot O$
(C_2H_5)₂, in addition to $AlCl_3$, were used, which allowed the concept on the
mechanisms of ferrocene alkylation to be widened and new previously unknown
alkylferrocenes to be synthesized. A considerable increase in yields of mono-
alkyl derivatives of ferrocene is reported. The mono- and di-isooctylferro-
cenes were obtained by the direct alkylation of ferrocene by olefins. There
are 3 tables and 1 figure. The most important English-language references read
as follows: T. I. Kealy, P. L. Pavson, Nature, 168, 1039, 1951; G. Wilkinson,
F. A. Gotton, J. M. Birmingham, J. Inorg. and Nucl. Chem., 2 95, 1956.

ASSOCIATION: Moscow Institute of Petrochemical and Gas Industry imeni I.M. Gubkin.
Card 1/E,

PAUSHKIN, Ya.M.; VISHNYAKOVA, T.P.; PATALAKH, I.I.; SOKOLINSKAYA, T.A.;
MACHUS, F.F.

Ferrocene-based synthesis of polymers and some of their electro-
physical properties. Dokl. AN SSSR 149 no.4:856-859 Ap '63.
(MIRA 16:3)

1. Institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M.
Gubkina. Predstavleno akademikom A.V.Topchiyevym.
(Polymers) (Ferrocene)

VISHNYAKOVA, T.P.; PAUSHKIN, Ya.M.; KLIMENKO, M.Ya.; MAR'YASHKIN, N.Ya.

Oxidation of η -butylenes to methyl ethyl ketone in the presence of a palladium chloride catalyst. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.6:989-992 '64. (MIRA 18:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni Gubkina, kafedra neftekhimicheskogo sinteza.

"APPROVED FOR RELEASE: 09/01/2001

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6"

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CIA-RDP86-00513R001860110008-6

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CIA-RDP86-00513R001860110008-6"

orig. was: 6 figures, 1 table and 2 formulas.

ASSOCIATION OF

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6"

ACCESSION NR: AP4043278

ASSOCIATION: MINKh and GP

SUBMITTED: 00

ENCL 00

SUB CODE GC, TD

Card 2/2

TITLE: Preparation of polystyrene compounds by the reaction of calcium carbide with styrene monomer

ABSTRACT: Preparation of polystyrene compounds by the reaction of calcium carbide with styrene monomer.

ACCESSION NR: AP4045016

conjugated polymers. The carbonyl compounds—acetone, acetophenone, benzaldehyde, and acetylacetone—reacted with calcium lactate in molar ratios of 1.0 to 1.1 at 100–200°. The polymers produced

—CH₂—CH₂—

—CH₂—C(=O)—CH₂—C(=O)—

and 2.5

was synthesized for the first time. Most of the available data
from 1955 to 1965 are given in the following table.

The new polyimide polymer melted at 300°C and had a melting

point of 300°C. The polymer was soluble in many organic solvents.

ACCESSION NR: AP4030375

S/0190/64/006/003/0545/0550

AUTHOR: Paushkin, Ya. M.; Polak, L. S.; Vishnyakova, T. P.;
Patalakh, I. I.; Machus, F. F.; Sokolinskaya, T. A.

TITLE: New iron-containing ferrocene-based polymers and their
electrophysical properties.

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 3, 1964, 545-
550

TOPIC TAGS: organic semiconductor, semiconducting polymer, ferrocene
polymer, ferrocene polymer preparation, electrical property

ABSTRACT: Fourteen new polymers based on ferrocene and a number
of aromatic compounds have been prepared by polyrecombination or
polycondensation, and their electrical properties have been studied
at the Moscow Institute of the Petrochemical and Gas Industry imeni
Gubkin. The polyrecombination of ferrocene and α -bromonaphthalene,
p-dichlorobenzene, benzonitrile, salicylic acid, salicylaldehyde, or
benzaldehyde, and of isobutyl-, isopentyl-, or isoctylferrocene alone

Card 1/3

ACCESSION NR: AP4030375

was carried out at 175—200C in the presence of tert-butyl peroxide at various starting material-to-peroxide molar ratios. Yields of 3—39% for soluble (dark-brown) and 23—77% for insoluble (black) solid polymers were obtained. The polycondensation of ferrocene with acetone in the presence of ZnCl_2 and hydrogen chloride at 56C formed soluble polymers; that of acetyl- or 1,1'-diacetylferrocene alone in the presence of ZnCl_2 at 200C and 180C respectively yielded both soluble and insoluble polymers. All the polymers but alkylferrocene-polyrecombination products gave a one-component signal in the EPR spectrum; x-ray structural analysis showed them to be amorphous, and IR spectroscopy, to be conjugated polymers. Electrical conductivity was studied at 20—300C and 1×10^{-4} or 760 mm Hg after degassing at 1×10^{-4} mm Hg and 50C for 3-hr. All the polymers showed a positive temperature coefficient and an exponential temperature dependence of conductivity. Electrical conductivity at 50C ranged from 1×10^{-12} to $1 \times 10^{-9} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$, and activation energy, from 0.3 to 1.74 eV (no degassing). Study of the effect of surface adsorption on the semiconducting properties of the 1,1'-diacetylferrocene polymer showed that the high activation energies (1.5 eV) are

Card 2/3

ACCESSION NR: AP4030375

caused mostly by surface adsorption and only to a small degree by π -electron excitation from the valence to the conduction band.
Orig. art. has: 4 tables, 2 figures, and 3 formulas.

ASSOCIATION: Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. Gubkina (Moscow Institute of the Petrochemical and Gas Industry)

SUBMITTED: 02Apr63

DATE ACQ: 07May64

ENCL: 00

SUB CODE: CH,PH

NO REF SOV: 011

OTHER: 002

Card 3/3

[illegible][illegible]

SOUDRE AN SSSR Doklady v. 194, no. 4, 1964, 831-834.

[illegible]

Card 1/3

U 52296-24
ACCESSION NO. 41

indicating the high molecular weight of the polymer structure. Insoluble

L 23290-65

ACCESSION NR: AP5000915

where a_1 refers to linear and a_2 to cross-linked fractions of the polymer. Orig. art. has

ASSOCIATION: Institute for Chemical Physics, USSR Academy of Sciences, USSR Chemical Physics Institute, Moscow, USSR. Published in: *Journal of Polymer Science, Part A: Polymer Chemistry*, Vol. 12, No. 1, 1974, pp. 1-12. ISSN: 0360-6376. The text of the article is in Russian. The title is in English.

12

See also: 12

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6"

in the temperature range 20-3000°

Card 1/2

ACCESSION NO: AF501754

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6

SUB CODE: CC, MT

Core

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860110008-6"

PAUSHKIN, Ya.M.; VISHNYAKOVA, T.P.; KUBATKINA, L.D.

Preparation of acetylcyclopentadienyltricarbonyliron(0).
Zhur. ob. kham. 35 no.9:1682-1684 G '65. (MIRA 18-10)

A L 11824-66 EWT(m)/ENP(j)/T/ETC(m) NW/RM

ACC NR: AP6001493

SOURCE CODE: UR/0191/65/000/012/0010/0012

AUTHOR: Golubeva, I. A.; Vishnyakova, T. P.

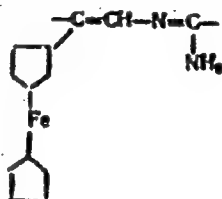
ORG: none

TITLE: Heteropolycondensation of acetylferrocene with urea

SOURCE: *Plasticheskiye massy*, no. 12, 1965, 10-12

TOPIC TAGS: *semiconducting polymer, polycondensation, urea, conjugated polymer, thermal stability, temperature dependence, electric conductivity, organic nitrogen compound, ferrocene*

ABSTRACT: A new ferrocene- and nitrogen-containing conjugated polymer, 44,55



has been prepared by heteropolycondensation of acetylferrocene with urea. It is noted that the introduction of ferrocene nuclei into conjugated systems with hetero atoms in the backbone improves thermal stability and produces specific magnetic and electrical properties. The reaction was carried out in a metal autoclave in

Card 1/2

UDC: 678.86:66.095.3

L 11824-66

ACC NR: AP6001493

the absence of atmospheric oxygen and in the presence of $ZnCl_2$ catalyst at 110 to 190C. The polymers were dark infusible powders; the benzene-soluble fraction decomposes at about 350C and has a mol wt of about 1000. The temperature dependence of electrical conductivity measured in vacuum in the 20—300C range for degassed samples was exponential in character. Conductivity [at room temperature] was 4.7×10^{-7} mho/cm. Orig. art. has: 1 table and 2 figures. [SM]

SUB CODE: 07, 20/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 002/ ATD PRESS: 4178

HW
Card 2/2

L 14204-66 EWP(j)/EWT(m)/T RM

ACC NR: AP6003429

SOURCE CODE: UR/0190/66/008/001/0181/0185

AUTHOR: Vishnyakova, T. P.; Golubeva, I. A.; Paushkin, Ya. M.

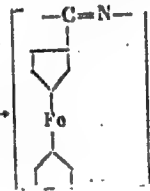
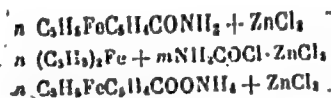
ORG: Moscow Institute of the Petrochemical and Gas Industry im. I. M. Gubkin
(Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti)

TITLE: Synthesis of ferrocene-⁷ and nitrogen-containing polymers with a conjugated bond system¹

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 181-185

TOPIC TAGS: organic semiconductor, semiconducting polymer, polynitrile

ABSTRACT: New ferrocene- and nitrogen-containing polymers—polyferrocenylnitriles—have been prepared by polycondensation of amides or ammonium salts of ferrocenecarboxylic acids. The reaction was conducted in an autoclave in the absence of atmospheric oxygen and in the presence of $ZnCl_2$ catalyst. Polyferrocenylnitrile was prepared at 170—200C from ferrocenecarboxamide, ammonium ferrocenecarboxylate, as well as from ferrocene proper:



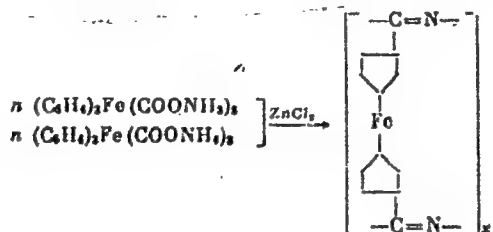
Card 1/3

UDC: 541.64+678.86

L 14204-66

ACC NR: AP6003429

In the case of ferrocenecarboxamide, P_2O_5 and $TiCl_4$ catalysts were used in addition to $ZnCl_2$. The simplest and most effective method was the second (yield, 87% on the ferrocene). Polyferrocenyldinitrile was also prepared at 200C from 1, 1'-ferrocenedicarboxamide and from diammonium 1, 1'-ferrocenedicarboxylate:



The best method was the second (yield, 44.5% on the ferrocene). All the polymers were black to brown powders; their physical and electrical properties are shown in Table 1. Structures were confirmed by IR spectroscopy. The temperature dependence

Card 2/3

ACC NR: AP6003429

Table 1. Properties of ferrocenylnitriles

	M.p., °C		Mol. wt	N, spin/g	σ_{50}^{cm}	ΔE , ev
	DMF* soluble	DMF insoluble				
Polyferrocenylnitrile	350— 400	>500	1200— 1600	10^{17} — 10^{19}	10^{-11} — 10^{-8}	0.724— 0.09
Polyferrocenyldinitrile	None	>500	—	10^{18}	10^{-12} — 10^{-14}	0.93— 1.28

*Dimethylformamide

of conductivity of the polymers was exponential in character. Orig. art. has:
4 tables and 1 figure.

[SM]

SUB CODE: 07/ SUBM DATE: 10Mar65/ ORIG REF: 007/ OTH REF: 002/ ATD PRESS:

4193

Card 3/3

10

SVADZHYAN, P.K.; VISHNYAKOVA, V.N.; MARDZHANYAN, K.S.

Copeognatha of the Armenian S.S.R. and methods of their laboratory maintenance. Izv. AN Arm. SSR. Biol. nauki 16 no.9:89-94
S'63 (MIRA 17:7)

1. Zoologicheskiy institut AN Armyanskoy SSR.

VISHNYAKOVA, V.N.

Characteristics of the venation of the anterior wings of a
new Late Jurassic cockroach. Paleont. zhur. no. 1:82-87 '64.
(MIRA 17:7)

1. Paleontologicheskii institut AN SSSR.

VISHNYAKOVA, V.N.

Fauna and ecology of psocids (Psocoptera) in Moscow and Ryazan
Provinces [with summary in English]. Ent. oboz. 38 no.2:435-442
'59. (MIRA 12:7)

1. Zoologicheskii institut AN SSSR, Leningrad.
(Moscow Province--Psocids)
(Ryazan Province--Psocids)

AYZENBERG, Ye.Ye.; BEKKER-MIGDISOVA, Ye.E.; VISHNYAKOVA, V.N.;
DANILEVSKIY, A.S.; MARTYNOVA, O.M.; NOVOZHILOVYY, N.I.;
PONOMARENKO, A.G.; POPOV, Yu.A.; RODENDORF, B.B.; CHERNOVA,
O.A.; SHAROVYY, A.G.; ORLOV, Yu.A., glav. red.; MARKOVSKIY,
B.P., zam. glav. red.; RUZHENTSEV, V.Ye., zam. glav. red.;
SOKOLOV, B.S., zam. glav. red.; OSIPOVA, L.S., red. izd-va;
MAKUNI, Ye.V., tekhn. red.

[Fundamentals of paleontology; reference book in 15 volumes
for paleontologists and geologists of the U.S.S.R.] Osnovy
paleontologii; spravochnik dlia paleontologov i geologov
SSSR v piatnadsati tomakh. Glav. red. IU.A.Orlov. Moskva,
Izd-vo Akad. nauk SSSR. Vol.9.[Arthropoda: Tracheata,
Chelicerata] Chlenistonogie: trakheinye i khelitserovye. Otv.
red. toma B.B.Rodendorf. 1962. 559 p. (MIRA 16:3)
(Arthropoda, Fossil)

VISHNYAKOVA, V.N.

Neuration of the front wing of Upper Jurassic cockroach *Meseblattina*
vitimica Visch., sp. nov. *Biul. MOIP. Otd. geol.* 38 no. 2: 160 Mr-Apr '63.
(MIRA 16:5)

(Cockroaches, Fossil)

VISHNYAKOVA, V.N.

New species of genus Kunguroblattina from the Lower Permian
in the Ural Mountain region. Paleont. zhur. no.4:50-59 '65.
(MIRA 19:1)

1. Paleontologicheskii institut AN SSSR. Submitted Feb. 27,
1964.

VISHNYAKOVA, V. YE., BASHENIN, V. A., PECHENENKO, YE. G.

"Problems of the epidemiology of Batkin's disease in Leningrad."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

POLEZHAYEV, Ivan Antonovich, kand. sel'khoz. nauk; VISHNYAKOVA, Ye.,
red.

[Growing sugar beet for forage in the non-Chernozem zone]
Kul'tura sakharnoi svekly na korm v nechernozemnoi zone.
Moskva, Mosk. rabochii, 1964. 154 p. (MIRA 17:12)

1. Zavoduyushchiy otdelom sakharnoy svekly i kornovykh
korneplodov Vsesoyuznogo nauchno-issledovatel'skogo inati-
tuta kormov (for Polezhayev).

YELAGIN, Vladimir Dmitriyevich; VISHNYAKOVA, Ye., red.; FOKHLEBKINA, M.,
tekhn. red.

[Peas] Gorokh. Moskva, Moskovskii rabochii, 1963. 79 p.
(MIRA 16:7)

(Peas)

ALEKSEYEVA, M.V., doktor sel'khoz. nauk, prof, retsenzent; KROTOVA,
O.A., kand. sel'khoz. nauk, retsenzent; SHEV'YEV, Ye.I., agro-
nom, retsenzent; LEZHANSKINA, Z.S., kand. sel'khoz. nauk, red.;
VISHNYAKOVA, Ye., red.; GAYEVSKIY, A., red.; POKHLEBKINA, M.,
tekhn. red.

[Cooperation of science and production; experience in joint
work of the vegetable growers on the M.Gorkii State Farm and the
scientists of the Research Institute of Vegetable Gardening] So-
druzhestvo nauki i proizvodstva; opyt sovместnoi raboty ovo-
shchevodov sovkhoza im. M.Gor'kogo i uchenykh Nauchno-issledova-
tel'skogo instituta ovoshchnogo khoziaistva. Moskva, Mosk. ra-
bochii, 1963. 133 p. (MIRA 16:6)
(Vegetable gardening)

BARANTSEVA, Klavdiya Petrovna, zasl. mekhanizator. RSFSR; VISHNYAKOVA, Ye.,
red.; POKHLEKINA, M., tekhn.red.

[I like my occupation] Liubliu svoiu professiiu. Moskva, Mosk.
rabochii, 1963. 34 p. (MIRA 16:8)

1. Kolkhoz "Zavet Il'icha" Moskovskaya oblast' (for Barantseva).
(Farm mechanization)

PETERBURGSKIY, Aleksandr Vasil'yevich, doktor sel'khoz. nauk, prof.;
POSTNIKOV, Anatoliy Vasil'yevich, agrokhimik; VISHNYAKOVAYe.,
red.; KUZNETSOVA, A., tekhn. red.

[New effective fertilizers] Novye effektivnye udobrenia.
Moskva, Mosk. rabochii, 1963. 55 p. (MIRA 16:7)
(Fertilizers and manures)

FEDYAYEV, Vasilii Mikhaylovich; VISHNYAKOVA, Ye., red.

[Mushrooms the wonder of nature] Griby - chudo prirody.
Moskva, Mosk. rabochii, 1964. 142 p. (MIRA 17:9)

LEZHANKINA, Z.S., kand. sel'khoz. nauk; VISHNYAKOVA, Ye., red.

[Conveyor production of vegetables] Konveier zelennykh
kul'tur. Moskva, Mosk. rabochii, 1964. 70 p.
(MIRA 17:10)

SOROKIN, S.S.; NAYDIN, P.G., prof., red.; VISHNIYAKOVA, Ye., red.;
USTINOVA, S., tekhn. red.

[Soil fertility is in our hands] Plodorodie zemel' - v
nashikh rukakh. Moskva, Mosk. rabochii, 1964. 167 p.
(MIRA 17:2)

OSTROVOY, Georgiy Varfolomeyevich, agronom; VISHNYAKOVA, Ye.
red.; POKHLEBKINA, M., tekhn. red.

[Forage beans] Kormovye boby. Moskva, Mosk. rabochii,
1964. 37 p. (MIRA 17:3)
1. Brigadir kompleksnoy brigady kolkhoza "Put' novoy zhizni"
Moskovskoy oblasti (for Ostrovoy).

POLEZHAYEV, Ivan Antonovich; VISHNYAKOVA, Ye., red.; USFINOVA, S.,
tekhn. red.

[Sugar beets for forage] Sakharnaia svekla na korm. Mo-
skva, Mosk. rabochii, 1963. 95 p. (MIRA 17:1)

KONDRAT'YEV, Aleksey Ivanovich; VISHNYAKOVA, Ye., red.; YAKOVLEVA, Ye.,
tekhn. red.

[The new, tested by life] Novoe, proverennoe zhizn'iu. Mo-
skva, Moskovskii rabochii, 1963. 61 p. (MIRA 16:10)

1. Predsedatel' kolkhoza im. kreysera "Aurora" Volokolamskogo
sovkhozno-kolkhoznogo proizvodstvennogo upravleniya Moskov-
skoy oblasti (for Kondrat'yev).
(Moscow Province--Stock and stock breeding)

BOYEV, Ivan Dmitriyevich; VISHNYAKOVA, Ya.A., red.; YELAGIN, A.S.,
tekhn.red.

[Seven-year plan in four years] Semiletku v chetyre goda.
Moskva, Izd-vo "Sovetskaya Rossiya," 1960. 83 p. (MIRA 14:2)

1. Direktor sovkhoza "Temishbekskiy" Stavropol'skogo kraya
(for Boyev). (State farms)

SHARSHAVENKOV, Vasilii Ivanovich, svinar'-mekhanizator; VISHNYAKOVA, Ye.A.,
red.; KLYUCHEVA, T.D., tekhn.red.

[One centner of pork per hour] Tsentner svininy za chas.
Moskva, Izd-vo "Sovetskaia Rossiia," 1961. 62 p.

(MIRA 15:5)

1. Sovkhoz "Chkalovskiy" Kalizhskoy oblasti (for Sharshavenkov).
(Swine)

GONCHARENKO, Vsevolod Antonovich; VISHNYAKOVA, Ye.A., red.; POPOV, N.D.,
tekhn. red.

[First steps into the future] Pervye shagi v budushchee. Moskva, Izd-
vo "Sovetskaya Rossiya," 1961. 110 p. (MIRA 14:7)

1. Direktor sovkhoza "Gazyrskiy" Krasnodarskogo kraya (for Goncharenko)
(Krasnodar Territory--Farm management)

DIANOV, Mikhail Ivanovich, Geroy Sotsialisticheskogo Truda; VISHNYA-
KOVA, Ye. A., red.; YELAGIN, A.S., tekhn. red.

[We'll fulfill the tasks of the seven-year plan ahead of time]
Zadanie semiletki vpolnim dosrochnno. Moskva, Izd-vo "Sovet-
skaya Rossiya," 1960. 27 p. (MIRA 14:5)

1. Predsedatel' kolkhoza "Rossiya" Spasskogo rayona Ryazan-
skoy oblasti (for Dianov)
(Ryazan Province--Collective farms)

SELEZNEV, Fedor Yakovlevich; VASIL'YEV, V.N.. red.; VISHNYAKOVA, Ye.A..
red.; KUZNETSOVA, G.I., tekhn. red.

[Agricultural planning] Planirovanie sel'skokhoziaistvennogo
proizvodstva. Moskva, Izd-vo "Sovetskaya Rossiya," 1960.
36 p. (Dlia slushatelei sel'skikh nachal'nykh shkol i kruzh-
kov. Tema 2) (MIRA 14:5)

(Agriculture)

ANISIMOV, Nikolay Il'ich; VISHNYAKOVA, Ye.A., red.; KLYUCHEVA, T.D.,
tekhn. red.

[Learn how to be a manager] Uchis' khoziaistvovat'. Moskva,
Izd-vo "Sovetskaya Rossiya," 1960. 37 p. (Dlia slushatelei
sel'skikh nachal'nykh ekonomicheskikh shkol i kruzhekov.
Tema 1) (MIRA 14:5)

(Farm management)

SMIRNOV, A.A.; VISHNYAKOVA, Ye.A., red.; MATVEYEV, A.P., tekhn.red.

[Siberian virgin land] Sibirskaya tselina. Moskva, Izd-vo
"Sovetskaya Rossiya," 1959. 186 p. (MIRA 13:6)
(Siberia)

ZENIN, Vasiliiy Polikarpovich; VISHNYAKOVA, Ye.A., red.; MARAKASOVA,
L.P., tekhn.red.

[Great work of concern to all] Bol'shoe vsenarodnoe delo.
Moskva, Izd-vo "Sovetskaya Rossiya," 1960. 50 p. (MIRA 13:6)

1. Sekretar' Ryazanskogo obkoma Kommunisticheskoy partii Sovetskogo
Soyuza (for Zenin).
(Ryazan Province--Agriculture)

PLATONOV, Grigoriy Fedorovich; VISHNYAKOVA, Ye.A., red.; YELAGIN,
A.S., tekhn.red.

[Over-all mechnaization is the foundation of success] Kompleksnaia
mekhanizatsiia - osnova uspekha. Moskva, Izd-vo "Sovetskaiia Rossiia,"
1960. 75 p. (MIRA 13:6)

1. Direktor plemennogo sovkhoza "Proletariy" Vladimirskey oblasti
(for Platonov).
(Stock and stockbreeding)

VISHNYAKOVA, Ye.G. (Moskva, K, Krivokolenny per., d. 8 kv. 18); VISHNYAKOVA,
V.Y. (Moskva, V-261, Leninskiy prosp. d. 81, kv.87); MURAV'YEVA, N.I.
(Moskva, D-67, Volokolamskoye shosse, d. 80, kv.71); ASSONOVA, N.K.
(Moskva, I-41, prcsp. Mira, d. 48, kv.22)

Treatment of mastopathy with microdoses of potassium iodide. Vop.
onk. 10 no.10:88-93 '64. (MIRA 18:8)

1. Iz endokrinologicheskogo otdeleniya (zav. - kand.med.nauk O.V.
Svyatukhina) i laboratorii biokhimii (zav. - prof. V.S.Shapot)
Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR
(direktor - deystvitel'nyy chlen AMN SSSR prof. N.N.Blokhin).

VISHNYAKOVA, Ye. G. (Moskva, TSentr, Krivokolenny per., 8, kv. 18)

Surgical treatment of skin cancer originating on scars. Vop.
onk. 6 no.12:60-64 '60. (MIRA 15:7)

1. Iz klinicheskogo otdeleniya (zav. - dotsent V. I. Yanishevskiy)
Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR
(dir. - deystvitel'nyy chlen AMN SSSR prof. N. N. Blokhin).

(SKIN—CANCER)

VISHNYAKOVA, Ye. L.

Vishnyakova, Ye. L. - "Preliminary data on tuberculin therapy in tuberculosis of the bone joint," Trudy Ob"edin nauch. soveta pri Upr. Yevpator. kurorta, Vol. VII, 1948, p. 83-91

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)

VISHNYAKOVA, Ye.S., inzh.; RUMYANTSEVA, N.F., inzh.; BORONICHEV, G.A., inzh.; PITINOVA, L.V., inzh.; PETRUNIN, N.I., inzh.; MESKIN, I.M., inzh.; ANDREYEVA, L.P., inzh.; BISHENKEVICH, G.V., inzh.; RYABININA, A.I., inzh.; MOSHNIN, N.S., red. gazety; KOMKOV, A.I., otv. red.; YUNITSKIY, V.P., red.; FLIGEL'MAN, S.M., red.; ROZHDAYKINA, V., tekhn. red.

[Kalinin Artificial Fiber Combine]Kalininskiy kombinat iskusstvennogo volokna. Kalinin, Kalininskoe knizhnoe izd-vo, 1960. (MIRA 15:8)
92 p.

1. Kalininskiy kombinat iskusstvennogo volokna (for all except Komkov, Yunitskiy, Fligel'man, Rozhdaykina).
(Kalinin--Textile fibers, Synthetic)

ROZINA, T.I. (Khar'kov: Vsesoyuz. inst. biol. khim. (1966); SERNYANOVA, Yu.N.
(Khar'kov)

Problem of the etiology of newborns infected with Sber. sauch. trid.
Inst. infek. bol. no. 4: 223-227 '61. (MIRA 18:6)

USSR/Microbiology. Microbes Pathogenic for Man and
Animals

F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57776

Author : Rozina Ts. S., Pedenko A. I., Devanisskaya R. D.,
Vishnyakova Yu. N.

Inst : Kharkov Scientific-Research Institute of Vac-
cines and Sera

Title : Bacteriological Characteristics of Diphtheria
in Kharkov in the Years of 1951 to 1954

Orig Pub : Tr. Kharkovsk. n.-i in-ta vaktsin i syvorotok,
1957, 24, 91-98

Abstract : No abstract

Card 1/1

1. VISHNYARKOVA, Ye.

2. USSR (600)

4. Family

7. Drive bad grass out of the field! Rabotnitsa 31 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

ALEKSANDROV, I.A.; VISHNYAKOVA, Ye.A., red.; YUSFINA, N.L., tekhn. red.

[This will be done in 1958; an account of the state plan for the development of the economy of the Russian Federation] Eto budet
sdelano v 1958 godu; rasskaz o Gosudarstvennom plane razvitiia
narodnogo khoziaistva Rossiiskoi Federatsii. Moskva, Izd-vo
"Sovetskaiia Rossiia," 1958. 29 p. (MIRA 11:10)
(Russia—Economic policy)

BENEDIKTOV, Ivan Aleksandrovich; VISHNYAKOVA, Ye.A., red.; KUZNETSOVA,
G.I., tekhn.red.

[Agriculture of the Russian Federation in the seven-year plan]
Sel'skoe khoziaistvo Rossiiskoi Federatsii v semiletke. Moskva,
Izd-vo "Sovetskaiia Rossiia," 1959. 94 p. (MIRA 13:1)
(Agriculture)

ZLOBIN, Anatoliy Pavlovich; VISHNYAKOVA, Ye.A., red.; MATVEYEV, A.P.,
tekhn.red.

[The meridian of Baikal] Baikal'skii meridian. Moskva, Izd-vo
"Sovetskaya Rossiya," 1959. 190 p. (MIRA 13:4)
(Siberia--Description and travel)

LYSENKO, Trofim Denisovich, akademik, agrobiolog; VISHNYAKOVA, Ye.A.,
red.; AVDEYEV, V.A., tekhn.red.

[Socialistic agriculture] O kul'ture sotsialisticheskogo
zemledeliia. Moskva, Izd-vo "Sovetskaiia Rossiia," 1961.
34 p. (MIRA 14:12)

1. Direktor Instituta genetiki AN SSSR (for Lysenko).
(Agriculture)

MITROKHIN, Mikhail Alekseyevich; VISHNIYAKOVA, Ye.A., red.; KLYUCHEVA,
T.D., tekhn.red.

[Discussions on economic aspects of agriculture on state farms]
Besedy ob ekonomike sovkhoznogo proizvodstva. Moskva, Izd-vo
"Sovetskaya Rossiya," 1959. 236 p. (MIRA 13:2)
(State farms)

TRAPEZNIKOV, N.N., kand.med.nauk; VISHNYAKOVA, Ye.G., kand.med.nauk

Second Coordinated Conference on Chemical Therapy in Treating Tumors.
(MIRA 12:12)

Vop.onk. 5 no.5:637-640 '59.

(TUMORS)

(CHEMOTHERAPY)

VISHNYAKOVA, Ye. G. (Moskva, Tsentr. Krivokolenny per., d. No. 8, kv. 18)

First results of dopamine therapy in chronic myeloid leukemia and of certain malignant tumors. Vop. onk. 4 no.5:569-572 '58. (MIRA 12:1)

1. Iz klinicheskogo otdela Instituta eksperimental'noy patologii i terapii raka AMN SSSR (dir. - chl.-korr. AMN SSSR prof. N.N. Blokhin).

(NITROGEN MUSTARDS, ther. use,

5-(β -chloroethyl)amino-4-cathyl-uracil in myelocytic leukemia & other forms of cancer (Rus))

(URACIL, rel. cpds.

same)

(LEUKEMIA, MYELOCYTIC, ther.

5-(β -chloroethyl)amino-4-methyl-uracil (Rus))

VISHNYAKOVA, Ye. G.

VISHNYAKOVA, Ye. G. - "Results of Combined Treatment of Cancer of the Tongue."
Sub 3 Jun 52, Central Inst for the Advanced Training of Physicians. (Dis-
sertation for the Degree of Candidate in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

VISHNYAKOVA, Z.V.

Microflora of mountain soils of the cedar-fir forests and their
clearcut areas. Izv. SO AN SSSR no.12: Ser. biol.-med. nauk
no.3:57-61 '64. (MIRA 18:6)

1. Institut lesa i dravestry Sibirskogo otdeleniya AN SSSR,
Krasnoyarsk.

VISHNYASKAYTE, A. I.

"Razvitie litovskoy krest'yanskoy sem'i."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

DEMIDOV, N.V., doktor veter. nauk; BABYANSKAS, M.S. (Vishnyauskas, M.), kand.
veter. nauk; VISHNYANSKAS, A.Ya. (Vishnyauskas, A.), staryiy
nauchnyy sotrudnik

Testing hexachlorophene in fascioliasis of mice. Vsesoyuznaya
42 no. 10:15-47 0 1955. (MIRA 18:10)

1. Vsesoyuznyy institut gell'mintologii imeni akademika Skryabina
(for Demidov). 2. Titovskiy nauchno issledovatel'skiy veterinarnyy
institut (for Babyanskas, Vishnyauskas).

CA

Transmission method of fermenting cereal potato mash. G. Vahnyatskii. *Spiro-Vodochaya Prom.* 16, No. 10, 8-10(1960).—A procedure is described in which a portion of the mash is passed to the next fermenter when the main fermentation sets in. Layouts are discussed for 6, 8, 10 or 12 fermenters (even-no. systems) and for 7 or 9 fermenters (odd-no. systems). Fermenters are connected by 4- or 5-in. pipes, inclined at an angle of 30°, 0.5 to 1 m. below the top.

Julian F. Smith

VISHNYEVSKY, M.

"In one of the leading organizations of the Dosaaf."

So. Radio, Vol. 5, p. 25, 1952

OSZTROVSZKY, Gyorgy; Schiller, Janos; PALFI, Laszlo, okleveles villamosmernok;
BOZSIK, Ferenc; GYORI, Attila, okleveles villamosmernok, foenergetikus;
VARGA, Endre, okleveles gepeszmernok; TURAN, Gyorgy, okleveles gepeszmernok; SZENDY, Karoly, dr., fokonstruktor; KOVACS, Ferenc, okleveles villamosmernok; CSILY, Jenő, fodispezser; BEREZNAV, Frigyes, fomernok; PALOS, Ferenc, okleveles mernok; FILARSZKY, Zoltan, okleveles gepeszmernok; NEMETH, Imre, okleveles villamosmernok, fomernok; ALPAR, Imre, okleveles gepeszmernok, foenergetikus; GATI, Geza, okleveles villamosmernok; BEKE, Gyula, okleveles gepeszmernok; VISNYOV-SZKY, Endre, foeloado; VERKITS, Gyorgy, okleveles villamosmernok, fomernok; FUTO, Istvan, okleveles gepeszmernok; NAGY, Karoly; PIKLER, Ferenc; SZEPESSY, Sandor, okleveles gepeszmernok; NADAY, Zoltan, okleveles gepeszmernok, fotechnologus; BUCHHOLCZ, Janos, okleveles gepeszmernok, fomernok

An account of the 11th itinerant meeting of the Hungarian Electrotechnical Association held in Pecs, July 18-20, 1963. Energia es atom 16 no.12:559 D '63.

(Continued on next card)

11G36

VISHOM, Ya. K.

USSR/Agricultural Machinery 4302.0300 Aug 1947

"Slats for Reaper Conveyers," Ya. K. Vishom, 1 p

"MTS" No 8

Short discussion of the benefits of wooden slats made of layers instead of a single block of wood.

LC

11G36

VISHOMIRSKIS, R.M. [Visomirskis, R.]; SHIVITSKIS, Yu.P. [Sivickis, J.]

Nature of the cathodic polarization of cadmium in a cyanide electrolyte. Trudy AN Lit. SSR. Ser. B no.2:17-30 '62.

(MIRA 18:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

VISHOMIRSKIS, R.M. [Visomirskis, R.]; MOLCHANSKIY, A.M.; MATULIS, Yu.Yu.
Matulis, J.]

Characteristic phenomena of polarization observed during electro-
deposition of silver from cyanide electrolytes. Trudy AN lit. SSR
Ser. B no.3:19-29 '62. (MIRA 18:3)

1. Institut khimii i khimicheskoy tekhnologii AN litovskoy SSR.

VISHOMIRSKIS, R.M. [Visomirskis, R.]

Cathodic polarization of copper in cyanin electrolyte. Liet ak
darbai B no.4:103-110 '59. (EAI 9:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.
(Copper) (Cyanides) (Electrolytes)
(Polarization)

VISHOMIRSKIS, R.M.

"Über das wesen der kathodischen polarisation bei der elektrolytischen
abscheidung von metallen aus cyanidlosungen."

Report submitted to the Intl. Committee for Electrochemical thermodynamics
and kinetics, Rome, Italy 24-29 Sep 1962

В. И. ВИШОМИКОВИЧ

PHASE I BOOK EXPLOITATION SOV/2216

5(a)

Sveshchaniye po elektrokhemii. 4th, Moscow, 1956.

Trudy... (Sbornik) (Transactions of the Fourth Conference on Electrochemistry, Collection of Articles) Moscow, Izd-vo AN SSSR, 1956. 168 p. Kristallip inserted. 2,500 copies printed. Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk.

Editorial Board: A.M. Frumkin (Resp. Ed.) Academician, O.A. Yasin, Professor, S.I. Zhdanov (Resp. Secretary), B.N. Kabanov, Professor, S.I. Zhdanov (Resp. Secretary), B.M. Kabanov, Professor, Ya. M. Kolotyrkin, Doctor of Chemical Sciences, V.V. Losev, P.D. Lukovskiy, Professor, Z.A. Solov'yeva, V.V. Stender, Professor, and G.M. Florianskiy, Ed. of Publishing House: N.G. Pogorel, Tech. Ed.: T.A. Prusakova.

PURPOSE: This book is intended for chemical and electrical engineers, physicists, metallurgists and researchers interested in various aspects of electrochemistry.

COVERAGE: The book contains 127 of the 138 reports presented at the Fourth Conference on Electrochemistry sponsored by the Department of Chemical Sciences and the Institute of Physical Chemistry, Academy of Sciences, USSR. The collection pertains to different branches of electrochemical kinetics, double layer theories and galvanic processes in metal electrodeposits, and electrochemical synthesis. Abridged abstracts of the reports are included at the end of each division. The Abridged abstracts are not included here have been published in periodical literature. No personalities are mentioned. References are given at the end of most of the articles.

Basotakaya, I.A., and A.I. Osh (Institute of Electrochemistry, Academy of Sciences, USSR). Effect of Atomic Hydrogen Diffusion on the Potential of Polarized Iron Electrodeposits on It 82

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Methods for studying the nature of polarization in the electroplating of metals. List ak darbai B no.4:87-97 '61.

1. Institut khimii i khimicheskoy tekhnologii AN litovskoy SSR.